

# Environmental Restoration Project



## Area of Concern (AOC) No. 1079: Building 6643 Septic System, TA-III

ADS: 1295

Operable Unit: Septic Tanks and Drainfields

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### Site History

Historical SNL/NM Facilities Engineering drawings indicate that this septic system consisted of a septic tank and a drainfield located about 60 and 110 feet respectively north of the northeast corner of Building 6643, in TA-III. It is assumed that this septic system was abandoned in the early 1990s when the City of Albuquerque sanitary sewer system was extended into TA-III. No other historical research has been conducted for this site.

### Constituents of Concern

Constituents of concern for this site are unknown.

### Current Hazards

No known surface hazards have been identified. Environmental characterization has not been conducted at the site; therefore potential subsurface environmental hazards are unknown.

### Current Status of Work

Samples were collected from the septic tank in late 1990 or early 1991, 1992, and 1995 for waste characterization purposes. Residual tank contents were pumped out and the tank cleaned in January 1996.

A field inspection at the site was conducted in September 1999 and the septic tank and drainfield distribution box were located. It is assumed that the drainfield was also intact at that time. A backhoe was used at the site in March 2002 to physically locate the drainfield drainlines. To

determine if environmental contamination is present beneath this system and in accordance with agreements reached with NMED personnel, additional sampling was conducted at this site. As shown on the site map, three soil sample borings were drilled directly beneath drainfield drainlines in August 2002. Soil samples collected from these borings were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), total cyanide, high explosive (HE) compounds, metals, and radionuclides.

## **Future Work Planned**

This site may be selected for deeper environmental characterization sampling if analytical results from the shallow sampling indicate potentially significant contamination at depth.

## **Waste Volume Estimated/Generated**

A total of 220 gallons of effluent (including water introduced to facilitate pumping) was removed from the septic tank in January 1996. No environmental characterization or remediation waste has been generated at the site to date.

**Information for ER Site 1079 was last updated Jan 17, 2003.**